

## United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/24/2001	Vivek Subramanian	10519/30	3758
09/29/2005	EXAM	EXAMINER	
	VU, DA	VU, DAVID	
(0(10		APTIMIT	PAPER NUMBER
60610			FAFER NUMBER
	08/24/2001 09/29/2005 ER GILSON & LIONE	08/24/2001 Vivek Subramanian 09/29/2005 ER GILSON & LIONE	08/24/2001 Vivek Subramanian 10519/30  09/29/2005 EXAM  CR GILSON & LIONE  VU, DA

DATE MAILED: 09/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

						H. E
			Applica	ation No.	Applicant(s)	
Office Action Summary		09/939	,498	SUBRAMANIAN ET AL.		
		Examir	ner	Art Unit		
			DAVID		2818	
Perio		The MAILING DATE of this communicate Reply	ion appears on (	the cover sheet	with the correspondence address	
T - -	HE M Extens after S If the p If NO p Failure Any rep earned	RTENED STATUTORY PERIOD FOR AILING DATE OF THIS COMMUNICA ions of time may be available under the provisions of 37 X (6) MONTHS from the mailing date of this communiceriod for reply specified above is less than thirty (30) dateriod for reply is specified above, the maximum statuto to reply within the set or extended period for reply will, bly received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In no ation. 1ys, a reply within the sery period will apply and by statute, cause the a	event, however, may statutory minimum of the distribution of the distribution of the distribution to become	a reply be timely filed  hirty (30) days will be considered timely.  ONTHS from the mailing date of this communicati  ABANDONED (35 U.S.C. § 133).	ion.
1	)⊠	Responsive to communication(s) filed	on <u>18 July 2005</u>	<u>5</u> .		
2a	)	This action is <b>FINAL</b> . 2b)	This action	is non-final.		
	)□ ositio	Since this application is in condition fo closed in accordance with the practice n of Claims				s is .
4	) <b>×</b>	Claim(s) <u>95-100; 107-115&amp; 120-125</u> is	are pending in	the application.		
	4	a) Of the above claim(s) is/are v	vithdrawn from	consideration.		
5	) [] (	Claim(s) is/are allowed.			•	
6	) <b>(</b> (	Claim(s) <u>95-100; 107-115&amp; 120-125</u> is/	are rejected.			
7	) [	Claim(s) is/are objected to.				
8	) [	Claim(s) are subject to restriction	n and/or election	n requirement.		
Appl	icatio	n Papers				
	, —	he specification is objected to by the E				
10	)⊠ ⊤	he drawing(s) filed on 24 August 2001			·	
		Applicant may not request that any objecti				
11	)□ ⊤	he proposed drawing correction filed or			disapproved by the Examiner.	
	_	If approved, corrected drawings are requir		Office action.		
12	)□ ⊤	he oath or declaration is objected to by	the Examiner.			
Prior	ity uı	nder 35 U.S.C. §§ 119 and 120				
13	)	Acknowledgment is made of a claim for	foreign priority	under 35 U.S.0	C. § 119(a)-(d) or (f).	
	a)[	] All b)☐ Some * c)☐ None of:				
		I. Certified copies of the priority do	cuments have b	een received.		
	2	2.☐ Certified copies of the priority do	cuments have b	een received ir	Application No	
		B. Copies of the certified copies of t application from the Internation the the attached detailed Office action for	onal Bureau (PC	CT Rule 17.2(a)	).	
14)	□ Ac	knowledgment is made of a claim for c	domestic priority	under 35 U.S.	C. § 119(e) (to a provisional applica	ation).
15		☐ The translation of the foreign langucknowledgment is made of a claim for a				
Attach	nment(	s) .		•		
2)	Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO- ation Disclosure Statement(s) (PTO-1449) Pape			ew Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)	<u>.</u> ·

## **DETAILED ACTION**

## **Election/Restrictions**

This application contains claims directed to the following patentably distinct species of the claimed invention:

This application contains claims directed to the following patentably distinct species of the claimed invention:

- a. Species I: directed toward a plasma oxidation of the semiconductor layer wherein the semiconductor layer comprises polycrystalline (Claims 95-100 and 120-121).
- b. Species II: directed toward a process for fabricating a memory device by sequentially etching the second semiconductor layer, the oxide layer, the first semiconductor layer and the first conductor layer to form a line (Claims 107-115 and 122).
- c. Species III: directed toward a process for fabricating a memory device comprises a P-N diode and a state change element (Claims 123-125).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Application/Control Number: 09/939,498

Art Unit: 2818

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Vu whose telephone number is (571) 272-1798. The examiner can normally be reached on Monday-Friday from 8:00am to 5:00pm. If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can

Art Unit: 2818

be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Vu

September 28, 2005.